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. ORM PTO-1390 MODIFIED			U.S. DEPARTMENT (	OF COMMERCE PATENT A	ND TRADEMARK OFFICE	ATTORNEY'S DO	CKET NUMBER 3926-20	#5
		D	ESIGNATED/ELEC	R TO THE UNITED CTED OFFICE (DO/ ING UNDER 35 U.S	EO/US)	U.S. APPLICATION	NO. (If known, see 37 C.F.R. 1.5	5)
INT			APPLICATION NO. 1003/021336	INTERNATIONAL FILI 8 Ju	NG DATE Iy 2003	PRIORITY DAT	E CLAIMED 9 July 2002	
TITI	_E OF	INVEN		ON DIVERSITY DETE	CTION WITHOUT A PO	OLARIZING BEA	M SPLITTER	
APF	PLICA	NT(S) F	OR DO/EO/US		ROGGATT et al.			
Ann	licant	herewit	h submits to the Unite			US) the following	items and other information	on:
1.	П			•	submission under 35 L	•	nems and other mormatic	<i>5</i> 71.
2.	☒				of items concerning a		· 35 U.S.C. 371.	
3.					-		ne submission must includ	łe
-	_		(5), (6), (9) and (21) i					
4.		The U	S. has been elected	(Article 31).				
5.	A co	opy of th	e International Applic	ation as filed (35 U.S.	C. 371(c)(2).			
	a.	☐ is	s attached hereto (	pages specificatio	n, claims & abstract (	claims),	sheets drawings).	
	b.	☐ h	as been communicat	ed by the International	Bureau.			
	c.	is	s not required, as the	application was filed in	n the United States Rec	eiving Office (RO	/US).	
6.		An En	glish language transla	tion of the Internation	al Application as filed (3	35 U.S.C. 371(c)(	3)	
	a. Cert		s attached hereto ( f Translation).	pages specificatio	n, claims & abstract (	claims),	sheets drawings,	page
	b.	☐ h	as been previously s	ubmitted under 35 U.S	.C. 154(d)(4).			
7.		Amend	dments to the claims	of the International App	olication under PCT Art	icle 19 (35 U.S.C	. 371(c)(3)	
	a.	□ a	re attached hereto (re	equired only if not com	municated by the Interr	national Bureau).		
	b.	□ h	ave been communica	ted by the Internation	al Bureau.			
£	C.	☐ h	ave not been made; I	nowever, the time limit	for making such amen	dments has NOT	expired.	
į	d.	☐ h	ave not been made a	nd will not be made.	•			
8.		An Eng	glish language transla	tion of the amendmen	ts to the claims under F	PCT Article 19 (35	5 U.S.C. 371(c)(3).	
9.	a.	⊠ A	n oath or declaration	of the inventor(s) (35	U.S.C. 371(c)(4).			
	b. Forr						e copies of Declaration ( ceipt thereof attached).	page
10. U.S.	.C. 37	'1(c)(5).		tion of the annexes of document(s) or infor		ninary Examinatio	n Report under PCT Artic	le 36 (35
11.				tatement under 37 C.I				
12.	$\boxtimes$					iance with 37 C F	F.R. 3.28 and 3.31 is included	ded
13.	a.	_	FIRST preliminary a		te cover sheet in compi	iance with 57 O.I	.11. 5.25 and 5.51 is includ	Jeu.
10.	b.		•	QUENT preliminary a	mendment.			
14.		An App	olication Data Sheet ι	ınder 37 C.F.R. § 1.76				
15.		A subs	titute specification.					
16.		A char	nge of power of attorn	ey and/or address lette	er.			
17.		A com	puter-readable form o	f the sequence listing	in accordance with PC	Γ Rule 13ter.2 and	d 37 CFR 1.821-1.825.	
18.		A sec	ond copy of the pub	lished international	application under 35	U.S.C. 154(d)(4	1).	

A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

20.

Other items or information.

U.S. APPLICATION I	NO. (If known, <b>0/520,819</b>	see 37 (	C.F.R. 1.5)	IN.	INTERNATIONAL APPLICATION NO. PCT/US2003/021336				ATTORNEY'S DOCKET NUMBER  3926-20				
21.   The following fees are submitted:													
BASIC NATIONAL FEE (37 C.F.R. 1.492(a)(1)-(5):													
a) Basic national fee\$300.00 (1631)/\$150.00 (2631)													
☐ b) Exami	nation Fee.					\$200.0	00 (16	33)/\$100.00 (26	33)	\$			
c) Search Fee\$500.00 (1632)/\$250.00 (2632)													
TOTAL OF ABOVE CALCULATIONS\$1000.00/\$500.00											0.00		
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or												<b>!</b>	
computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.													
Total Sheets Extra Sheets Number of each additional 50 or RATE										m			
			fraction t	thereof (round	up	to a whole							
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							\$0.0	<b>0</b> (2681)					
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from the earliest					e).					\$			
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MULTIPLE DEPE					<u> </u>			6)/\$180.00 (261		\$	0.00	<b></b>	
Petition is hereby	/ made to e	xtend t	the curre	ent due date						П			
attachment(s): C													
(1252)/\$225.00 (1254/5			in Extens	sions \$1020.	00	(1253/\$510.00	) (225	3); Four Month (	extensions	s	0.00		
Applicant clai	•		atus Sc	00 37 CFR 1	27					1 2	0.00	<b></b>	
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months from the								+			0.00		
TOTAL NATIONAL FEE =									\$	0.00			
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	icate copy on commissione				aro	e any addition	nal fee	es which may be	required or	cred	lit anv		
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d. 🗌 CRED	overpayment to Deposit Account No. <u>14-1140</u> . A <u>duplicate</u> copy of this form is enclosed.  d. CREDIT CARD PAYMENT FORM ATTACHED.												
								336 and any U.S			plication(s) o	orres	ponding
thereto, and NOTE: Where a								reference in thi			vivo (37 C E	D 1	127(a)
or (b) must be fi									a polition t	0.0	*i*C (07 Q.i		107 (a)
CORRESPONDENCE ADDRESS													
	Direct all correspondence to:												
☐ Customer Number: 23117													
				Туре Си	ıstor	ner Number here			00				
								201	41				
1								proces	pastor	<u> </u>			
Telephone: (703) 816-4000													
JRL:sd								NAME					
A . O								33,149			ıly 26, 2005		
								REGISTRATIO	N NUMBER	D	ate		

FOR	A PTO	1390	U.S. DEPARTMENT C	F COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER						
MODIFIED			NICOMITTAL LETTE	R TO THE UNITED STATES	3926-20 U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)						
				TED OFFICE (DO/EO/US)	10/700 010						
CONCERNING A FILING UNDER 35 U.S.C. 371											
INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED 9 July 2002											
TITLE OF INVENTION POLARIZATION DIVERSITY DETECTION WITHOUT A POLARIZING BEAM SPLITTER											
			OR DO/EO/US	FROGGATT et al.							
Арр	licant	herewit	h submits to the Unite	d States Designated/Elected Office (DO/EO/U	JS) the following items and other information:						
1.		This is	a FIRST submission	of items concerning a submission under 35 U.	.S.C. 371.						
2.	$\boxtimes$	This is	a SECOND or SUBS	EQUENT submission of items concerning a se	ubmission under 35 U.S.C. 371.						
3.		This is items (	an express request to (5), (6), (9) and (21) in	b begin national examination procedures (35 Undicated below.	J.S.C. 371(f). The submission must include						
4.			S. has been elected (								
5.	A cc			ation as filed (35 U.S.C. 371(c)(2).							
	a.		s attached hereto (	pages specification, claims & abstract (	claims), sheets drawings).						
	b.	_ h	as been communicate	ed by the International Bureau.							
	C.	_		application was filed in the United States Rece	eiving Office (RO/US).						
6.		_		tion of the International Application as filed (35							
	<u> —</u> а.	The state of the s									
	b.			ubmitted under 35 U.S.C. 154(d)(4).							
7.		_	•	of the International Application under PCT Artic	cle 19 (35 U.S.C. 371(c)(3)						
	a.	are attached hereto (required only if not communicated by the International Bureau).									
	b.	_		ted by the International Bureau.							
	C.			nowever, the time limit for making such amend	ments has NOT expired.						
	d.		ave not been made a								
8.		An En	glish language transla	tion of the amendments to the claims under Po	CT Article 19 (35 U.S.C. 371(c)(3).						
9.	a.			of the inventor(s) (35 U.S.C. 371(c)(4).							
	b. Form		eclaration was submi	tted to the International Bureau during International Bureau during International Bureau during Internation at	tional Phase (see copies of Declaration ( page cknowledging receipt thereof attached).						
10.	10.   An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35										
0.5.	lten	'1(c)(5). 1 <b>s 11 T</b> o	20 below concern	document(s) or information included:							
11.		An Info	ormation Disclosure S	tatement under 37 C.F.R. 1.97 and 1.98.							
12.	$\boxtimes$	An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.									
13.	a. b.	☐ A FIRST preliminary amendment. ☐ A SECOND or SUBSEQUENT preliminary amendment.									
14.		An Application Data Sheet under 37 C.F.R. § 1.76.									
15.		A substitute specification.									
16.		A change of power of attorney and/or address letter.									
17.		A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.									
	7	A second copy of the published international application under 35 U.S.C. 154(d)(4).									
18.	][	A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).									
19.			items or information.								





U.S. APPLICATION	INT					ATTO	TTORNEY'S DOCKET NUMBER 3926-20						
10/520,819 PCT/US2003/021336  21. ☑ The following fees are submitted:													
21. A The followard BASIC NATI	ONAL EFE	(37 C	FR 1 AC	2(a)(1)-(5):									
DASIC NATI	national fee	. ,				\$300.0	00 (16	31)/\$150.00 (26	31)	\$	4		
l a) basic	ination Fee					\$200.0	00 (16	33)/\$100.00 (26	33)	\$			
D b) Exami	niauon Fee	••••••	•••••			\$500.0	00 (16	32)/\$250.00 (26	32)	\$		Γ	
c) Search Fee\$500.00 (1632)/\$250.00 (2632)  TOTAL OF ABOVE CALCULATIONS\$1000.00/\$500.00										\$	0.00		
Additional	for for ease	lination	and drawin	nge filed in na	ner o	ver 100 sheet	s (excl	udina seauence li	sting or	1			
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper													
or fraction	thereof. Extra Sh	oots	Number	of each addition	onal	50 or		RATE					
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Surcharge of \$1	<b>30.00</b> (161)	7)/\$65	.00 (2617)	for furnishin	ng th	e oath or de	claration	on later than 📙	30 months	\$			
from the earliest				# EXTRA	<del>6).</del>			RATE		+*		L	
CLAIMS Tatal Claims	19		FILED inus 20	0 X	\$50	).00 (1615)/		\$25.00 (2615)		\$			
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MULTIPLE DEP	ENDENT	LAIM	S(S) (if ap	plicable)		\$360.00	) (161)	6)/\$180.00 (261	o) ner and	+3	0.00	-	
Petition is hereb attachment(s):	O Manth	Evion	cian \$120	OO (1251)/S	60 O	0 (2251): LW	O IVIOR	im Extensions i	450.00				
(1252)/\$225.00	(2252):Thre	e Mor	nth Extens	sions \$1020.0	00 (1	253/\$510.0	(225	3); Four Month	Extensions				
\$1590.00 (1254	/\$795.00 (2	254)				<u></u>				\$	0.00	<u> </u>	
Applicant cla	aims small e	entity	status. Se	e 37 CFR 1.	.27.	Tennalasia.	loto- N	nan   1 20   F	30	┯		-	
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l an appropriate d	cover sheet	(37 C	.F.R. 3.28	, 3.31). \$40.	.00 (	8021) per pr	openy	т -		\$	40.00 0.00	<del> </del>	
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thereto, and , referred to in this application is/are hereby incorporated by reference in this application.  NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a)													
or (b) must be	or (b) must be filed and granted to restore the application to pending status.												
CORRESPONDENCE ADDRESS													
Direct all correspondence to:													
□ Customer Number: 23117													
				Туре С	ustom	er Number here		DN	30				
								bollo	la stor	2			
T-1-1-1-1	0) 046 400	`						John R. Las	tovă	_			
Telephone: (70)	s) 0 10-400l	,						NAME					
UTIL.30								33,149		Jı	uly 26, 2005		
								REGISTRATIO	N NUMBER	_	ate		

United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address COMMISSIONER FOR PATENTS P.O. Doz 1459 Alexandra, Vigniss 22313-1450 www.usptu.gov

U.S. APPLICATION NUMBER NO. FIRST NAMED APPLICANT ATTY. DOCKET NO.

10/520,819 Mark E Froggatt 3926-20

INTERNATIONAL APPLICATION NO.

PCT/US03/21336

DOCKETED

LA. FILING DATE

PRIORITY DATE

FLOOR -- " 2926-2

07/08/2003 07/09/2002

901 NORTH GLEBE ROAD, 11TH FLOOR ARLINGTON, VA 22203 CLT/MATTER #

NIXON & VANDERHYE, PC

23117

CLT/MATTER # 160 1001

MAIL DATE A 16 1001

PINAL DEADLINE TOME

DOCKETED BY

CONFIRMATION NO. 2728
1 FORMALITIES LETTER

\*OC00000016196776\*

Date Mailed: 06/06/2005

## NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Indication of Small Entity Status
- Copy of the International Application filed on 01/07/2005
- Copy of the International Search Report filed on 01/07/2005
- Preliminary Amendments filed on 01/07/2005
- Information Disclosure Statements filed on 01/07/2005
- Small Entity Statement filed on 01/07/2005
- Request for Immediate Examination filed on 01/07/2005
- U.S. Basic National Fees filed on 01/07/2005
- Specification filed on 01/07/2005
- Claims filed on 01/07/2005
- Abstracts filed on 01/07/2005
- Drawings filed on 01/07/2005

The following items MUST be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

 Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

A copy of this notice MUST be returned with the response.

BARBARA A CAMPBELL

Telephone: (703) 308-9140 EXT 217

## PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY, DOCKET NO.
10/520,819	PCT/US03/21336	3926-20

FORM PCT/DO/EO/905 (371 Formalities Notice)